

PTO/SB/08A (04-03)

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**Complete If Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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of

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|                      |                  |
|----------------------|------------------|
| Application Number   | 10/001,710       |
| Filing Date          | October 31, 2001 |
| First Named Inventor | Shlomo Ben-Haim  |
| Art Unit             | 3762             |
| Examiner Name        | C.H. Layno       |

Attorney Docket Number 501049.20506

| U. S. PATENT DOCUMENTS |                       |   |   |  |   |
|------------------------|-----------------------|---|---|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br><small>Number-Kind Code<sup>2</sup> (if known)</small> | Publication Date<br><small>MM-DD-YYYY</small> | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| Ctl                    | AA                    | US- 3,572,345   | Mar. 1971                                     | Auphan   |   |
|                        | AB                    | US- 3,587,567   | Jun. 1971                                     | Schiff   |   |
|                        | AC                    | US- 3,651,805   | Mar. 1972                                     | Breiling   |   |
|                        | AD                    | US- 3,942,536   | Mar. 1976                                     | Mirowski, et al.                                   |   |
|                        | AE                    | US- 3,952,750   | Apr. 1976                                     | Mirowski, et al.                                   |   |
|                        | AF                    | US- 4,030,509   | Jun. 1977                                     | Heilman et al.                                     |   |
|                        | AG                    | US- 4,106,494   | Aug. 1978                                     | McEachern  |   |
|                        | AH                    | US- 4,164,216   | Aug. 1979                                     | Person   |   |
|                        | AI                    | US- 4,184,493   | Jan. 1980                                     | Langer, et al.                                     |   |
|                        | AJ                    | US- 4,202,340   | May, 1980                                     | Langer, et al.                                     |   |
|                        | AK                    | US- 4,223,678   | Sept. 1980                                    | Langer, et al.                                     |   |
|                        | AL                    | US- 4,237,895   | Dec. 1980                                     | Johnson  |   |
|                        | AM                    | US- 4,273,114   | Jun. 1981                                     | Berkalow, et al.                                   |   |
|                        | AN                    | US- 4,312,354   | Jan. 1982                                     | Walters  |   |
|                        | AO                    | US- 4,316,472   | Feb. 1982                                     | Mirowski, et al.                                   |   |
|                        | AP                    | US- 4,384,585   | May 1983                                      | Zipes  |   |
|                        | AQ                    | US- 4,387,717   | Jun. 1983                                     | Brownlee, et al.                                   |   |
| ↓                      | AR                    | US- 4,403,614   | Sep. 1983                                     | Engle, et al.                                      |   |
| Ctl                    | AS                    | US- 4,407,288   | Oct. 1983                                     | Langer, et al.                                     |   |

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| FOREIGN PATENT DOCUMENTS |                       |  |   |  |   |
|--------------------------|-----------------------|--|---|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br><small>Country Code<sup>2</sup> - Number-Kind Code<sup>3</sup> (if known)</small> | Publication Date<br><small>MM-DD-YYYY</small> | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
| Ctl                      | AT                    | JP 04-117967   | Apr. 1992                                     | Masayoshi  |   |
|                          | AU                    | JP 4-365493  | Dec. 1992                                     | Yutaka   |   |
|                          | AV                    | JP 7-126600  | May 1995                                      | Kazusuke   |   |
|                          | AW                    | JP 8-243176  | Sep. 1996                                     | Kjell  |   |
| ↓                        | AX                    | EP 0 148 687   | Feb. 1988                                     | Henry et al.                                       |   |
| Ctl                      | AY                    | EP 0 314 078   | Oct. 1993                                     | Mehra  |   |

|                    |                      |                 |         |
|--------------------|----------------------|-----------------|---------|
| Examiner Signature | <i>Carl H. Layno</i> | Date Considered | 4/12/05 |
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| Examiner Name          | C.H. Layno       |
| Attorney Docket Number | 501049.20506     |

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|                        |                       | Number-Kind Code <sup>2</sup> & Inventor |                                |  |   |
| CHL                    | AZ                    | US- 4,440,172                            | Apr. 1984                      | Langer   |   |
|                        | BA                    | US- 4,506,680                            | Mar. 1985                      | Stokes   |   |
|                        | BB                    | US- 4,543,956                            | Oct. 1985                      | Herscovici   |   |
|                        | BC                    | US- 4,559,946                            | Dec. 1985                      | Mower  |   |
|                        | BD                    | US- 4,566,456                            | Jan. 1986                      | Koning, et al.                                     |   |
|                        | BE                    | US- 4,572,191                            | Feb. 1986                      | Mirowski, et al.                                   |   |
|                        | BF                    | US- 4,628,934                            | Dec. 1986                      | Pohndorf et al.                                    |   |
|                        | BG                    | US- 4,651,716                            | Mar. 1987                      | Forester, et al.                                   |   |
|                        | BH                    | US- 4,674,508                            | Jun. 1987                      | DeCote   |   |
|                        | BI                    | US- 4,679,572                            | Jul. 1987                      | Baker, Jr.   |   |
|                        | BJ                    | US- 4,690,155                            | Sep. 1987                      | Hess   |   |
|                        | BK                    | US- 4,726,279                            | Feb. 1988                      | Kepler, et al.                                     |   |
|                        | BL                    | US- 4,726,379                            | Feb. 1988                      | Altman et al.                                      |   |
|                        | BM                    | US- 4,765,341                            | Aug. 1988                      | Mower, et al.                                      |   |
|                        | BN                    | US- 4,830,006                            | May 1989                       | Haluska, et al.                                    |   |
|                        | BO                    | US- 4,928,688                            | May, 1990                      | Mower  |   |
|                        | BP                    | US- 4,979,507                            | Dec. 1990                      | Heinz, et al.                                      |   |
| ▼                      | BQ                    | US- 4,998,531                            | Mar. 1991                      | Bocchi et al.                                      |   |
| CHL                    | BR                    | US- 5,003,976                            | Apr. 1991                      | Alt  |   |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>5</sup> |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
| CHL                | BS                    | EP 0 727 241   | Aug. 1996                      | Noren  |   |                |
| CHL                | BT                    | WO 91/19534  | Dec. 1999                      | Freeman  |   |                |
| CHL                | BU                    | WO 92/00716  | Jan. 1992                      | Waide  |   |                |
| CHL                | BV                    | WO 95/08316  | Mar. 1993                      | Vistung  |   |                |
| CHL                | BW                    | WO 97/25101  | Jul. 1997                      | Beh-Haim   |   |                |
| CHL                | BX                    | WO 98/10831  | Mar. 1998                      | Ben-Haim   |   |                |

| Examiner Signature   | Date Considered |
|----------------------|-----------------|
| <i>Carl H. Layno</i> | 4/12/05         |

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|  |   |    |    | Art Unit                 | 3762             |
|  |   |    |    | Examiner Name            | C.H. Layno       |
| Sheet  | 3 | of | 14 | Attorney Docket Number   | 501049.20506     |

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|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| C HL                   | BY                    | US- 5,020,544                            | Jun. 1991                      | Dahl et al.  |   |
|                        | BZ                    | US- 5,022,396                            | Jun. 1991                      | Watanabe   |   |
|                        | CA                    | US- 5,044,375                            | Sep. 1991                      | Bach, Jr. et al.                                   |   |
|                        | CB                    | US- 5,083,564                            | Jan. 1992                      | Scherlag   |   |
|                        | CC                    | US- 5,087,243                            | Feb. 1992                      | Avitall  |   |
|                        | CD                    | US- 5,097,843                            | Mar. 1992                      | Buchanan   |   |
|                        | CE                    | US- 5,111,815                            | May 1992                       | Mower  |   |
|                        | CF                    | US- 5,129,394                            | Jul. 1992                      | Mehra  |   |
|                        | CG                    | US- 5,137,021                            | Aug. 1992                      | Wayne et al.                                       |   |
|                        | CH                    | US- 5,154,501                            | Oct. 1992                      | Svenson et al.                                     | MAR 15 2005   |
|                        | CI                    | US- 5,156,147                            | Oct. 1992                      | Warren, et al.                                     |   |
|                        | CJ                    | US- 5,156,149                            | Oct. 1992                      | Hudnik   |   |
|                        | CK                    | US- 5,161,527                            | Nov. 1992                      | Nappholz et al.                                    |   |
|                        | CL                    | US- 5,163,428                            | Nov. 1992                      | Pless  |   |
|                        | CM                    | US- 5,172,699                            | Dec. 1992                      | Svenson et al.                                     |   |
|                        | CN                    | US- 5,184,620                            | Feb. 1993                      | Cudahy et al.                                      |   |
|                        | CO                    | US- 5,199,428                            | Apr. 1993                      | Obel et al.  |   |
| ▼                      | CP                    | US- 5,205,284                            | Apr. 1993                      | Freaman  |   |
| C HL                   | CQ                    | US- 5,213,098                            | May 1993                       | Bennett et al.                                     |   |

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| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|
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|                          |                       | Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known) |                                |  |   |
| CHL                      | CR                    | WO 00/04947   | Feb. 2000                      | Darvish et al.                                     |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
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**Examiner Signature** *Carl V. Lazo* **Date Considered** *4/12/05*

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| CHL                    | CS                    | US- 5,236,413                            | Aug. 1993                      | Feiring  |   |
|                        | CT                    | US- 5,281,219                            | Jan. 1994                      | Kallock  |   |
|                        | CU                    | US- 5,282,785                            | Feb. 1994                      | Shapland et al.                                    |   |
|                        | CV                    | US- 5,284,491                            | Feb. 1994                      | Sutton et al.                                      |   |
|                        | CW                    | US- 5,286,254                            | Feb. 1994                      | Shapland et al.                                    |   |
|                        | CX                    | US- 5,305,745                            | Apr. 1994                      | Zacouto  |   |
|                        | CY                    | US- 5,327,887                            | Jul. 1994                      | Nowakowski   |   |
|                        | CZ                    | US- 5,320,642                            | Jun. 1994                      | Scherlag   |   |
|                        | DA                    | US- 5,320,543                            | Jun. 1994                      | Roline et al.                                      |   |
|                        | DB                    | US- 5,346,506                            | Sept. 1994                     | Mower et al.                                       |   |
|                        | DC                    | US- 5,353,800                            | Oct. 1994                      | Pohndorf et al.                                    |   |
|                        | DD                    | US- 5,366,486                            | Nov. 1994                      | Zipes, et al.                                      |   |
|                        | DE                    | US- 5,368,040                            | Nov. 1994                      | Carney   | MAR 15 2005   |
|                        | DF                    | US- 5,370,665                            | Dec. 1994                      | Hudrik   |   |
|                        | DG                    | US- 5,387,419                            | Feb. 1995                      | Levy et al.  | OFFICE OF PETITION  |
|                        | DH                    | US- 5,386,837                            | Feb. 1995                      | Sterzer  |   |
|                        | DI                    | US- 5,391,192                            | Feb. 1995                      | Lu et al.  |   |
| ▼                      | DJ                    | US- 5,391,199                            | Feb. 1995                      | Ben-Haim   |   |
| CHL                    | DK                    | US- 5,398,683                            | Mar. 1995                      | Edwards et al.                                     |   |

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| Examiner<br>Signature | Carl H. Larson | Date<br>Considered | 4/12/05 |
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|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |  |
| C HL                   | EE                    | US- 5,531,764                            | Jul. 1996                      | Adams et al.                                       |  |
|                        | EF                    | US- 5,540,722                            | Jul. 1996                      | Clare et al.                                       |  |
|                        | EG                    | US- 5,556,421                            | Sep. 1996                      | Prutchi et al.                                     |  |
|                        | EH                    | US- 5,568,809                            | Oct. 1995                      | Ben-Haim   |  |
|                        | EI                    | US- 5,571,143                            | Nov. 1996                      | Hoegnelid  |  |
|                        | EJ                    | US- 5,584,804                            | Dec. 1996                      | Stevens et al.                                     |  |
|                        | EK                    | US- 5,584,868                            | Dec. 1996                      | Salo et al.  |  |
|                        | EL                    | US- 5,587,200                            | Dec. 1996                      | Lorenz et al.                                      |  |
|                        | EM                    | US- 5,601,609                            | Feb. 1997                      | Duncan   | MAR 15 2005  |
|                        | EN                    | US- 5,601,611                            | Feb. 1997                      | Fayram et al.                                      |  |
|                        | EO                    | US- 5,626,622                            | May 1997                       | Cooper   | OFFICE OF PETITIONS  |
|                        | EP                    | US- 5,634,899                            | Jun. 1997                      | Shapland et al.                                    |  |
|                        | EQ                    | US- 5,649,966                            | Jul. 1997                      | Noren et al.                                       |  |
|                        | ER                    | US- 5,651,378                            | Jul. 1997                      | Matheny et al.                                     |  |
|                        | ES                    | US- 5,622,687                            | Sept. 1997                     | Hedberg et al.                                     |  |
|                        | ET                    | US- 5,674,251                            | Oct. 1997                      | Combs et al.                                       |  |
|                        | EU                    | US- 5,674,259                            | Oct. 1997                      | Gray   |  |
| ▼                      | EV                    | US- 5,683,431                            | Nov. 1997                      | Wang   |  |
| C HL                   | EW                    | US- 5,687,734                            | Nov. 1997                      | Dempsey et al.                                     |  |

|                       |               |                    |         |
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| Examiner<br>Signature | Carl H. Layne | Date<br>Considered | 4/12/05 |
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|  |   |    | Filing Date              | October 31, 2001       |              |
|  |   |    | First Named Inventor     | Shlomo Ben Haim        |              |
|  |   |    | Art Unit                 | 3762                   |              |
|  |   |    | Examiner Name            | C.H. Layno             |              |
| Sheet  | 7 | of | 14                       | Attorney Docket Number | 501049.20506 |

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|                        |                       | Number-Kind Code <sup>2 &amp; forward</sup> |                                |  |   |
| CHL                    | EX                    | US- 5,713,935                               | Feb. 1998                      | Prutchi et al.                                     |   |
|                        | EY                    | US- 5,720,768                               | Feb. 1998                      | Verboven-Nelissen                                  |   |
|                        | EZ                    | US- 5,735,876                               | Apr. 1998                      | Kroll et al.                                       |   |
|                        | FA                    | US- 5,738,096                               | Apr. 1998                      | Ben Halm   |   |
|                        | FB                    | US- 5,738,105                               | Apr. 1998                      | Kroll  |   |
|                        | FC                    | US- 5,749,906                               | May 1998                       | Kieval et al.                                      |   |
|                        | FD                    | US- 5,755,740                               | May 1998                       | Nappholz   |   |
|                        | FE                    | US- 5,782,876                               | Jul. 1998                      | Flammang   |   |
|                        | FF                    | US- 5,782,881                               | Jul. 1998                      | Lu et al.  | MAR 15 2005   |
|                        | FG                    | US- 5,792,198                               | Aug. 1998                      | Nappholz   |   |
|                        | FH                    | US- 5,792,208                               | Aug. 1998                      | Gray   | OFFICE OF PETITIONS   |
|                        | FI                    | US- 5,797,967                               | Aug. 1998                      | KenKnight  |   |
|                        | FJ                    | US- 5,800,464                               | Sep. 1998                      | Kieval   |   |
|                        | FK                    | US- 5,807,234                               | Sep. 1998                      | Bui et al.   |   |
|                        | FL                    | US- 5,807,306                               | Sep. 1998                      | Shapland et al.                                    |   |
|                        | FM                    | US- 5,814,079                               | Sep. 1998                      | Kieval   |   |
|                        | FN                    | US- 5,865,787                               | Feb. 1999                      | Shapland et al.                                    |   |
| ▼                      | FO                    | US- 5,871,506                               | Feb. 1999                      | Mower  |   |
| CHL                    | FP                    | US- 5,906,607                               | May 1999                       | Taylor et al.                                      |   |

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|  |   |    |    | Art Unit                 | 3762             |
|  |   |    |    | Examiner Name            | C.H. Layno       |
| Sheet  | 8 | of | 14 | Attorney Docket Number   | 501049.20506     |

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|                                |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| CHL                            | FQ                    | US- 5,913,876                            | Jun. 1999                      | Taylor et al.                                      |   |
|                                | FR                    | US- 5,927,284                            | Jul. 1999                      | Borst et al.                                       |   |
|                                | FS                    | US- 6,032,074                            | Feb. 2000                      | Collins  |   |
|                                | FT                    | US- 6,032,672                            | Mar. 2000                      | Taylor   |   |
|                                | FU                    | US- 6,041,252                            | Mar. 2000                      | Walker et al.                                      |   |
|                                | FV                    | US- 6,067,470                            | May 2000                       | Mower  |   |
|                                | FW                    | US- 6,071,305                            | Jun. 2000                      | Brown et al.                                       |   |
|                                | FX                    | US- 6,086,582                            | Jul. 2000                      | Altman et al.                                      |   |
|                                | FY                    | US- 6,136,019                            | Oct. 2000                      | Mower  | MAR 15 2005   |
|                                | FZ                    | US- 6,141,586                            | Oct. 2000                      | Mower  |   |
|                                | GA                    | US- 6,151,586                            | Nov. 2000                      | Brown  | OFFICE OF PETITIONS   |
|                                | GB                    | US- 6,178,351                            | Jan. 2001                      | Mower  |   |
|                                | GC                    | US- 6,295,470                            | Sep. 2001                      | Mower  |   |
|                                | GD                    | US- 6,337,995                            | Jan. 2002                      | Mower  |   |
|                                | GE                    | US- 6,341,235                            | Jan. 2002                      | Mower  |   |
|                                | GF                    | US- 6,343,232                            | Jan. 2002                      | Mower  |   |
| ▼                              | GG                    | US- 6,411,847                            | Jun. 2002                      | Mower  |   |
| CHL                            | GH                    | US- RE38,119                             | May 2003                       | Mower  |   |
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| (Use as many sheets as necessary)                    |  | Filing Date            | October 31, 2001                 |
|  |  | First Named Inventor   | Shlomo Ben Haim                  |
|  |  | Art Unit               | 3762                             |
| Sheet 9 of 14  |  | Examiner Name          | C.H. Layno                       |
|  |  | Attorney Docket Number | 501049.20506 OFFICE OF PETITIONS |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
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| CHL                             | GI                    | Antman, E.M. et al. "Treatment of 150 Cases of Life-Threatening Digitalis Intoxication with Digoxin-Specific Fab Antibody Fragments;" June 1990 Circulation; Vol. 81: No. 6: pp. 1744-1752.   | T <sup>2</sup> |
| CHL                             | GJ                    | Antoni, H. et al. "Polarization Effects of Sinusoidal 50-Cycle Alternating Current on Membrane Potential of Mammalian Cardiac Fibers", Pfluegers Arch. 314, pp. 274-291 (1970)  |                |
| CHL                             | GK                    | Bach, S.M., "Tach Arrhythmia Detection, Implantable Cardioverter Defibrillator Therapy: The Engineering-Clinical Interface, Chapter 15, pp. 303-323, Eds. Mark W. Kroll and Michael H. Lehmann, Kluwer Academic Publishers, USA , 1997                          |                |
| CHL                             | GL                    | Bakker, P.F., et al., "Beneficial Effects of Biventricular Pacing of Congestive Heart Failure", PACE, Vol. 17, April 1994, Part 11, one page  |                |
| CHL                             | GM                    | Bakker, P.F., et al., "Biventricular Pacing Improves Functional Capacity in Patients with End-Stage Congestive Heart Failure" PACE, Vol. 17, April 1995, Part 11, one page  |                |
| CHL                             | GN                    | Bargheer K. et al., "Prolongation of Monophasic Action Potential Duration and the Refractory Period in the Human Heart by Tedisamil, a New Potassium-Blocking Agent", J. Eur Heart 15 (10), Oct. 1994, pp. 1409-1414  |                |
| CHL                             | GO                    | Borsi, et al. "Coronary Artery Bypass Grafting Without Cardiopulmonary Bypass and Without Interruption of Native Coronary Flow Using a Novel Anastomosis site restraining device ('Octopus')", Journal of the American College of Cardiology, 27 (6), May 1996. |                |
| CHL                             | GP                    | Cano, N.J. et al. "Dose-Dependent Reversal of Digoxin-Inhibited Activity of an In-Vitro NA+K+ATPase Model by Digoxin-Specific Antibody;" May 1996; pp. 107-1011; Toxicology Letters; Vol. 85; No. 2   |                |
| CHL                             | GQ                    | Cazeau S. et al., "Multisite Pacing for End-Stage Heart Failure: Early Experience", Pacing and Clinical Electrophysiology Vol. 19, Nov. 1996, Part 11, pp. 1748-1757  |                |
| CHL                             | GR                    | Cooper, W., "Postextrasystolic Potentiation: Do We Really Know What It Means and How To Use It?" Circulation, Vol. 88, No. 6, Dec. 1993, pp. 2962-2971.   |                |

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| Examiner Signature | Carl H. Layno | Date Considered | 4/12/05 |
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|  |    | First Named Inventor | Shlomo Ben Haim  |
|  |    | Art Unit             | 3762 MAR 15 2005   |
|  |    | Examiner Name        | C.H. Layno   |
| Sheet  | 10 | of                   | 14 Attorney Docket Number 501049.20506 OFFICE OF PETITIONS |

| NON PATENT LITERATURE DOCUMENTS |                       |   |  |                |
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| CHL                             | GS                    | Dillon, S.M., abstract of "Synchronized Repolarization After Defibrillation Shocks. A Possible Component of the Defibrillation Process Demonstration By Optical Recordings in Rabbit Heart", Circulation, May 1992, Vol. 85, No. 5, pp. 1865-78                 |  |                |
| CHL                             | GT                    | Fain, E.S., et al. "Improved Internal Defibrillation Efficacy with a Biphasic Waveform", American Heart Journal 117 (2), February 1989, pp. 358-364.  |  |                |
| CHL                             | GU                    | Fleg, J.L. et al., "Impact of Age on the Cardiovascular Response to Dynamic Upright Exercise in Healthy Men and Women", J. Appl. Physiol., Vol. 78, 1995, p. 890.   |  |                |
| CHL                             | GV                    | Foster, A.H. et al., "Acute Hemodynamic Effects of Atrio-Biventricular Pacing in Humans", 1995, The Society of Thoracic Surgeons Vol. 59, pp. 294-299.  |  |                |
| CHL                             | GW                    | Franz, M.R., "Bridging the Gap Between Basic and Clinical Electrophysiology: What Can be Learned from Monophasic Action Potential Recordings?", J. Cardiovasc Electrophysiol 5(8), August 1994, pp. 699-710   |  |                |
| CHL                             | GX                    | Franz, M.R., "Method and Theory of Monophasic Action Potential Recording", Prog. Cardiovasc Dis 33 (6), May-June 1991, pp. 347-368  |  |                |
| CHL                             | GY                    | Franz, M.R., "Progress in Cardiovascular Disease: Monophasic Action Potential Symposium, I. Introduction", Prog. Cardiovasc Dis 33 (6), May-June 1991 pp. 345-346   |  |                |
| CHL                             | GZ                    | Fromer et al., "Ultrarapid Subthreshold Stimulation for Termination of Atrial Ventricular Node Reentrant Tachycardia", Journal of the American College of Cardiology 20 (October 1992), pp.879-883  |  |                |
| CHL                             | HA                    | Fu, P and B.J. Bardakjian, "System Identification of Electrically Coupled Smooth Muscle Cells: The Passive Electrical Properties", published in IEEE Transactions on Biomedical Engineering, 38(11), pp. 1130-1140, 1991.                                       |  |                |
| CHL                             | HB                    | Han, Frederic M and Han, Soowhan, "Classification of Cardiac Arrhythmias Using Fuzzy Artmap"; IEEE Transactions on Biomedical Engineering, Vol. 43, No. 4, Apr. 1996.   |  |                |

|                    |               |                 |         |
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| Examiner Signature | Carl H. Layno | Date Considered | 4/12/05 |
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|--------------------|-----------------------|---|----------------|
| CHL                | HC                    | Hoffman, B.F. et al., "Effects of Postextrasystolic Potentiation on Normal & Failing Hearts", Bulletin of New York Academy of Medicine, 41 in 1965, pp. 498-534.  |                |
| CHL                | HD                    | Josephson, M.E., "Clinical Cardiac Electrophysiology: Techniques and Interpretations, 2nd. Edition, Lea & Febiger, Philadelphia, 1991   |                |
| CHL                | HE                    | King, A. et al., "The Inotropic Action of Paired Pulse Stimulation in the Normal and Failing Heart: An Experimental Study", Cardiovascular Research, Vol. 2, April 1968, pp. 122-129  |                |
| CHL                | HF                    | Kinsley et al., "Prolongation and Shortening of Action Potentials by Electrical Shocks in Frog Ventricular Muscle", American Journal of Physiology 6 (Heart Circ. Physiol. 35, 1994) pp. H2348-H2358  |                |
| CHL                | HG                    | Kollar, et al., "Relation Between Repolarization and Refractoriness During Programmed Electrical Stimulation in the Human Right Ventricle", Circulation 91(9), 2378-2384, 1995.   |                |
| CHL                | HH                    | Langberg, Jonathan J. et al., "Identification of Ventricular Tachycardia with Use of the Morphology of the Endocardial Electrogram", Circulation, Vol. 77, No. 6, Jun. 1988.  |                |
| CHL                | HI                    | McVeigh, E.R et al., "Noninvasive Measurement of Transmural Gradients in Myocardial Strain with MR Imaging", Radiology 180 (3), Sep. 1991, pp. 677, 679-684.  |                |
| CHL                | HJ                    | Mercando, A.D., et al., "Automated Detection of Tachardias by Antiarrhythmia Devices", Chapter 100, pp. 943-948, In Cardiac Electrophysiology from Cell to Bedside, Eds. Douglas P. Zipes and Jose Jalife, publishers W.B. Saunders Company (1990).             |                |
| CHL                | HK                    | Moran, R.J. et al; "Digoxin-Specific Fab Fragments Impair Renal Function in the Rat." 1994; pp. 854-856; Journal of Pharmacy and Pharmacology; Vol. 46: No 10.  |                |
| CHL                | HL                    | Morse, et al., "A Guide to Cardiac Pacemakers, Defibrillators and Related Products", Droege Consulting Services, Durham, NC.  |                |

Examiner Signature

Carl H. Layno

Date Considered

4/12/05

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|-------------------------------|----|----|----|------------------------|----------------------------------|
| Substitute for form 1449B/PTO |    |    |    | Complete if Known      |                                  |
|                               |    |    |    | Application Number     | 10/001,710                       |
|                               |    |    |    | Filing Date            | October 31, 2001                 |
|                               |    |    |    | First Named Inventor   | Shlomo Ben Haim                  |
|                               |    |    |    | Art Unit               | 3762                             |
|                               |    |    |    | Examiner Name          | C.H. Layno                       |
| Sheet                         | 12 | of | 14 | Attorney Docket Number | 501049.20506 OFFICE OF PETITIONS |

**FAX RECEIVED****MAR 15 2005**

## NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| CHL                | HM                    | Merck Manual, The, Section 3, the 16th Edition of the Merck Manual, Published In 1992   |                |
| CHL                | HN                    | Paul, VE., et al. "Automatic Recognition of Ventricular Arrhythmias Using Temporal Electrogram Analysis" Pace, Vol. 14, pp. 1265-1273, (1991).  |                |
| CHL                | HO                    | Qizhen Xue et al., "Neural-Network-Based Adaptive Matched Filtering for QRS Detection", IEEE Transactions on Biomedical Engineering, Vol. 39, No. 4, Apr. 1992  |                |
| CHL                | HP                    | Saksema et al., "Dual-site Atrial Pacing In Atrial Fibrillation", JACC, Vol. 28, No. 3, September 1996, pp. 687-94  |                |
| CHL                | HQ                    | Shumaik, G.M. et al, "Oleander Poisoning; Treatment with Digoxin-Specific Fab Antibody Fragments;" July 1988; pp. 732-735; Annals of Emergency Medicine; Vol. 17; No. 7   |                |
| CHL                | HR                    | Sweeny RJ, et al., abstract of "Countershock Strength-Duration Relationship for Myocardial Refractory Period Extension", Acad Emerg. Med., Jan. 1995, Vol. 2, No. 1, pp. 57-62  |                |
| CHL                | HS                    | Sweeny RJ, et al., abstract of "Refractory Interval After Transcardiac Shocks During Ventricular Fibrillation", Circulation, Dec. 1996, Vol. 94, No. 11, pp. 2947-52.   |                |
| CHL                | HT                    | Sweeny RJ, et al., abstract of " Ventricular Refractory Period Extension Caused by Defibrillation Shocks". Circulation, September 1990, Vol. 82, No. 3, pp. 965-972 .   |                |
| CHL                | HU                    | Tait, U. et al., "The Effect of External Cardiac Pacing on Stroke Volume", Pace 13, May 1990, pp. 598-60  |                |
| CHL                | HV                    | Tseng, T.Y., "Electroporation of Cell Membranes" August 1991; pp. 297-306; Biophysical Journal; Vol. 60   |                |

|                    |               |                 |         |
|--------------------|---------------|-----------------|---------|
| Examiner Signature | Carl H. Layno | Date Considered | 4/12/05 |
|--------------------|---------------|-----------------|---------|

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

13

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|--------------------|-----------------------|--|----------------|
| CHL                | HW                    | Verner, et al., "Electrophysiologic Basis for T Wave Alternans as an Index of Vulnerability to Ventricular Fibrillation" Journal of Cardiovascular Electrophysiology, Vol. 5, pp. 445-461, 1994  |                |
| CHL                | HX                    | Webster, John G., ed., Design of Cardiac Pacemakers, IEEE Press, Piscataway, New Jersey, 1995  |                |
| CHL                | HY                    | Wessale, J.L. et al., "Stroke Volume and Three Phase Cardiac Output Rate Relationship with Ventricular Pacing" Pace 13, May 1990, pp. 673-680  |                |
| CHL                | HZ                    | Witzfeld, A. et al., "Physiological Pacing: Present Status and Future Developments", Pace 10 January-February 1987, Part I, pp. 41-57  |                |
| CHL                | IA                    | Zipes, D et al., Cardiac Electrophysiology from Cell to Bedside, 1990, W.B. Saunders Co., Philadelphia   |                |
| CHL                | IB                    | Guland Product Catalogue, 2001, 2 pages  |                |
| CHL                | IC                    | "The Latest Tetralogy of Fallot Discussion with Graphical Support Including Video of Echocardiography and Catheterization" Pediatric Electrophysiology Book ("An On-Line Resource for Pediatric Critical Care")  |                |
| CHL                | ID                    | Brumwell D.A. et al. "The Amplifier: Sensing the Depolarization", Implantable Cardioverter Defibrillator Therapy: The Engineering-Clinical Interface, Chapt. 14, pp. 275-302, Eds. Kroll and Lehmann, Kluwer Academic Publishers, USA 1997                               |                |
| CHL                | IE                    | Gill R.J. et al., abstract of "Refractory Period Extension During Ventricular Pacing at Fibrillatory Pacing Rates" Pacing Clin. Electrophysiol, March 1997, vol. 20, No. 3, pp. 647-653  |                |
| CHL                | IF                    | Hardage, M.L. and Sweeney, M.B., "Anti-Tachycardia Pacing and Cardioversion", Implantable Cardioverte Defibrillator Therapy: The Engineering-Clinical Interface, Chapt. 6, pp. 325-342, Eds. Mark W. Kroll and Michael H. Lehmann, Kluwer Academic Publishers U.S.A 1997 |                |

Examiner Signature

Carl H. Layno

Date Considered

4/12/05

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| Substitute for form 1449B/PTO                        |    |    |    | Complete If Known      |                                     |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> |    |    |    | Application Number     | 10/001,710                          |
| (Use as many sheets as necessary)                    |    |    |    | Filing Date            | October 31, 2001                    |
|  |    |    |    | First Named Inventor   | Shlomo Ben-Haim                     |
|  |    |    |    | Art Unit               | MAR 15 2005<br>3762                 |
|  |    |    |    | Examiner Name          | C.H. Layno                          |
|  |    |    |    | Attorney Docket Number | OFFICE OF PETITIONS<br>501049,20506 |
| Sheet  | 14 | of | 14 |                        |                                     |

## **NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| CHZ                | IG                    | Matheny R.G. and C.J. Shaar, "Vagus Nerve Stimulation as a Method to Temporarily Slow or Arrest the Heart" Annals of Thoracic Surgery. 63 (6) Supplement, pp. S28-29, June 1997   |                |
| CHZ                | JH                    | Supino, C.G., "The System", Implantable Cardioverter Defibrillator Therapy: The Engineering-Clinical Interface, Chapt. 8, pp. 163-172, Eds. Mark W. Kroll and Michael H. Lehmann; Kluwer Academic Publishers, USA 1997  |                |
| CHZ                | II                    | Thakor et al., "Effect of Varying Pacing Waveform Shapes on Propagation and Hemodynamics in the Rabbit Heart", The American Journal of Cardiology 79 (6A), pp.36-43,1997.   |                |
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|-----------------------|--------------|--------------------|---------|
| Examiner<br>Signature | Carl A. Lago | Date<br>Considered | 4/12/05 |
|-----------------------|--------------|--------------------|---------|

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**1** Applicant's unique citation designation number (optional). **2** Applicant is to place a check mark here if English language Translation is attached.

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